

REMARKS

This is in response to the Notice of Non-Compliant Amendment dated December 31, 2008. In this response, Applicants have corrected the non-compliant amendments specified by the Examiner. A complete listing of the amended claims has been included as per the Examiner's request.

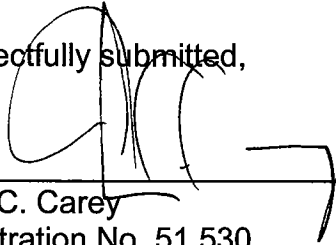
Applicants have amended independent claims 1, 25 and 31 to clarify the role of the PPU Control Engine (PCE), as suggested by the Examiner. Specifically, the PCE is configured to receive physics simulation requests from the Central Processing Unit (CPU) via a Physics Processing Unit (PPU) software driver executing on the CPU. The PCE also issues commands to the Data Movement Engine (DME) and the Floating Point Engine(FPE) to perform physics simulation computations associated with the physics simulation requests received from the CPU. The amended claims better reflect the substantive arguments as to why the claimed invention is distinguished from the references cited to date. As stated, none of the cited references, or any combination of those references, teaches or suggests the limitations now recited in the pending claims. Therefore, the claims are now in condition for allowance.

In addition, Applicants have added three new dependent claims, claims 38-40, further specifying that the PCE is configured to call microcode routines executed on the DME and FPE to perform physics simulation computations. Again, none of the cited references, or any combination of those references, teaches or suggests the limitations of claims 38-40. Therefore, claims 38-40 are also in condition for allowance.

CONCLUSION

Applicants believe they have satisfied the requirements of the Notice of Non-Compliance, dated December 31, 2008. Acceptance and entry of this amendment is requested. If the Examiner has any questions, please contact the Applicant's undersigned representative at the number provided below.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'JC', is written over a horizontal line.

John C. Carey
Registration No. 51,530
PATTERSON & SHERIDAN, L.L.P.
3040 Post Oak Blvd. Suite 1500
Houston, TX 77056
Telephone: (713) 623-4844
Facsimile: (713) 623-4846
Attorney for Applicants